



ATMI-221-DIV  
Customer ID No.: 25559

C of C

#12

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re United States Patent Application of:**

**U.S. PATENT**                      **6,379,748 B1**

**Patentees:**                      **Gautam Bhandari, et al.**

**Application No.:**              **09/483,859**

**Date Filed:**                      **January 17, 2000**

**Title:**    **Tantalum Amide Precursors For Deposition**  
             **of Tantalum Nitride on a Substrate**


**Certificate**  
**NOV 02 2004**  
**of Correction**

**Group Art Unit: 1762**

I hereby certify that this Request for Certificate of Correction is being deposited with the U.S. Postal Service with sufficient postage for first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on October 26, 2004.

Lee Ann DiLello

(Typed or printed name of person mailing paper or fee)

  
(Signature of person mailing paper or fee)

**SUBMISSION OF CERTIFICATE OF CORRECTION UNDER THE PROVISIONS OF 37 CFR § 1.322 AND 35 USC § 254 FOR U.S. PATENT NO. 6,379,748 B1**

Certificate of Corrections Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed is a Certificate of Correction submitted under the provisions of 35 U.S.C. § 254, to correct errors of the Patent and Trademark Office in the printing of the above-identified U.S. Patent.

NOV 04 2004

Applicant does not believe that any fee is due in connection with the foregoing. However, any deficiencies may be charged to the deposit account 50-0860.

Date: October 26, 2004

Respectfully submitted,



Margaret Chappuis  
Registration No. 45,735  
Agent for Applicants

ATMI, Inc.  
7 Commerce Drive  
Danbury, CT 06810  
Telephone: 203-794-1100  
Facsimile: 203-797-2544  
Attorney File: ATMI-221-DIV.

NOV 04 2004

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

(Also Form PTO-1050)

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 6,379,748 B1

DATED : April 30, 2002

INVENTOR(S) : Gautam Bhandar, et al.

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

Column 4, line 1, replace "(v)" with -- (vi) --;

Column 4, line 28, after "Si(Ph)<sub>3</sub>" delete "Si(SiMe<sub>3</sub>)<sub>x</sub>(Me)<sub>3-x</sub>"

Column 4, line 30, replace "(ix)" with the following:

-- (ix) (Cp<sup>n</sup>)Ta(SiR<sub>1</sub>R<sub>2</sub>R<sub>3</sub>)<sub>x</sub>(NR<sub>4</sub>R<sub>5</sub>)<sub>4-x</sub> / (Cp<sup>n</sup>)<sub>2</sub>Ti(SiR<sub>1</sub>R<sub>2</sub>R<sub>3</sub>)(NR<sub>4</sub>R<sub>5</sub>) --;

Column 4, line 31 replace "can any be" with -- can be any --;

Column 9, line 41, after "compositions," delete "R<sub>14</sub>" and substitute -- R<sub>14</sub>--;

Column 13, line 34, cancel the formula and substitute:

-- Ta(N(R<sub>1</sub>)(CH<sub>2</sub>)<sub>x</sub>N(R<sub>2</sub>))<sub>y</sub>(NR<sub>3</sub>R<sub>4</sub>)<sub>5-2y</sub>--;

Column 14, line 14, after "alkyl" insert a -- , -- (comma);

Column 14, line 22, after "alkyl" insert a -- , -- (comma).

MAILING ADDRESS OF SENDER:

Margaret Chappuis  
Advanced Technology Materials, Inc.  
7 Commerce Drive  
Danbury, CT 06810

PATENT NO. 6,379,748 B1

No. of additional copies



Burden Hour Statement: This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.